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- (71) Applicant (for all designated States except US): **WILD-SEED, LTD.** [US/US]; 550 Kirkland Way N.E., Suite 100, Kirkland, WA 98033 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ZATLOUKAL, Peter** [US/US]; 218 Main Street, #480, Kirkland, WA 98033 (US). **ENGSTROM, Eric, G.** [US/US]; 12415 Holmes PT, Dr., NE, Kirkland, WA 98033 (US).
- (74) Agents: **AUYEUNG, Aloysius, T., C. et al.**; Schwabe, Williamson & Wyatt, P.C., Pacwest Center, Suites 1600-1900, 1211 Southwest Fifth Avenue, Portland, OR 97204 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

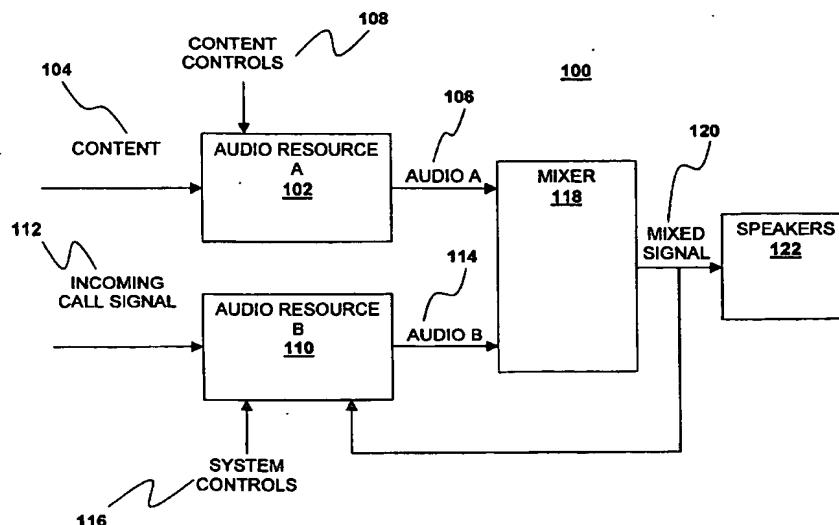
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Declarations under Rule 4.17:

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[Continued on next page]

(54) Title: A MOBILE DIGITAL COMMUNICATION/COMPUTING DEVICE HAVING A CONTEXT SENSITIVE AUDIO SYSTEM



(57) Abstract: A mobile client device, such as a wireless mobile or a palm sized personal digital assistant, is provided with at least a first and second audio resources and companion programming instructions/circuitry to generate various audio signals in a more context sensitive manner, while multi-media resources are being utilized. The instructions/circuitry cause the mobile client device to determine a first audio volume level at which the mobile client device is being utilized by a user for a first audio signal. Once the first audio volume level is determined, instructions/circuitry cause a second audio signal to be provided at a second audio volume level to the user. The second audio volume level being based at least in part on the first audio volume level initially.



TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(US). ENGSTROM, Eric, G. [US/US]; 12415 Holmes PT, Dr., NE, Kirkland, WA 98033 (US).

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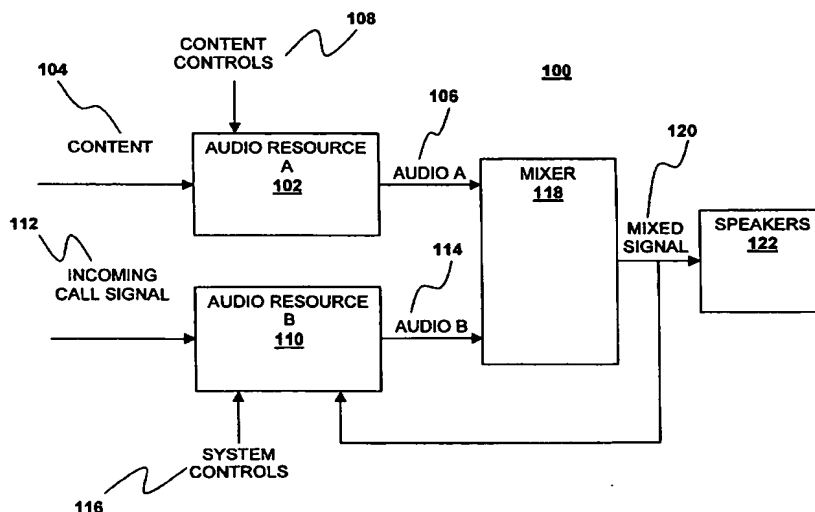
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(57) Abstract: A mobile client device, such as a wireless mobile or a palm sized personal digital assistant, is provided with at least a first and second audio resources (102, 110) and companion programming instructions/circuitry to generate various audio signals (106, 114) in a more context sensitive manner, while multi-media resources are being utilized. The instructions/circuitry cause the mobile client device to determine a first audio volume level at which the mobile client device is being utilized by a user for a first audio signal (106). Once the first audio volume level is determined, instructions/circuitry cause a second audio signal (114) to be provided at a second audio volume level to the user. The second audio volume level being based at least in part on the first audio volume level initially.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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## A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 455/556.2, 567, 234.1, 177.1, 200.1, 219, 232, 206, 355

According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)

U.S. : 455/556.2, 567, 234.1, 177.1, 200.1, 219, 232, 206, 355

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST SEARCH

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y          | US 5,910,996 A (EGGERS ET AL.) 08 JUNE 1999 (08.06.1999, COLS. 2-9.                | 1-33                  |
| Y          | US 6,351,653 B1 (ALBERTH, JR. ET AL.) 26 FEBRUARY 2002 (26.02.2002), COLS. 2-7.    | 1-33                  |

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| "P" document published prior to the international filing date but later than the priority date claimed  |  |

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Jean A. Gelin

Telephone No. (703) 805-4847

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